

## FEATURES

- 6 Configurations
- Inductance to 11mH
- Toroidal Construction
- Up to 50 V $\mu$ s E<sub>T</sub>
- Fully Encapsulated
- PCB Mounting
- Industry Standard Pinout
- Isolation to 500VDC
- UL 94V-0 Package Material

## DESCRIPTION

The 766 series is a comprehensive range of general purpose pulse transformers. Common applications include line coupling, matching or isolating. The devices can also be used in small isolated power supplies and also as common-mode chokes in filtering applications. Please contact the technical support desk to discuss your requirements.

## SELECTION GUIDE

Order Code	Turns Ratio ±2%	Primary Inductance <sup>1</sup> Min		Primary E <sub>T</sub> Constant Min	Leakage Inductance Max	Interwinding Capacitance Max	DC Resistance	Isolation Voltage Max	Pin Connection Style	Mechanical Dimensions
		$\mu$ H	V $\mu$ s							
<b>76600/1</b>	1:1	2060	17.50	0.60	35	1.50		500	A	3
<b>76600/2</b>	1:1	492	8.50	0.30	20	0.80				
<b>76600/3</b>	1:1	219	5.50	0.25	12	0.50				
<b>76600/4</b>	1:1	50	4.00	0.20	10	0.40				
<b>76601/1</b>	1:1	2060	17.5	0.60	35	1.50				
<b>76601/2</b>	1:1	492	8.50	0.30	20	0.80				
<b>76601/3</b>	1:1	219	5.50	0.25	12	0.50				
<b>76601/4</b>	1:1	50	4	0.20	10	0.40				
<b>76601/6</b>	1:1	9.5	6	0.20	10	0.40				
<b>76601/8</b>	1:1	1000	12	0.30	25	0.30				
<b>76601/9</b>	1:1	11mH	51	65	5	5.00				
<b>76601/16</b>	1:1	4000	50	0.60	45	1.50				
<b>76601/20</b>	1:1	20.1	2.5	0.20	5	0.20				
<b>76601/23</b>	1:1	938	10.5	0.20	35	0.15				
<b>76601/24</b>	1:1	11.7mH	50.5	0.40	80	1.35				
<b>76602/1</b>	1:1:1	2060	17.5	0.60	35	1.50		500	B	1
<b>76602/2</b>	1:1:1	492	8.5	0.30	20	0.80				
<b>76602/3</b>	1:1:1	219	5.5	0.25	12	0.50				
<b>76602/5</b>	1:1:1	23	2.5	0.20	8	0.30				
<b>76602/6</b>	1:1:1	9.5	6	0.20	10	0.40				
<b>76602/8</b>	1:1:1	469	10.5	3.50	3	0.40				
<b>76602/9</b>	1:1:1	5870	37.5	0.90	60	1.70				
<b>76603/3</b>	2:1	219	5.5	0.60	8	0.50	500			
<b>76604/1</b>	2:1	1970	17	1.60	20	1.50	500			
<b>76605/1</b>	2:1:1	2160	18	1.60	20	1.50		500	D	1
<b>76605/2</b>	2:1:1	540	9	0.80	10	0.80				
<b>76605/6</b>	2:1:1	9.5	6	0.40	8	0.40				
<b>76606/1</b>	3:1	1970	17	1.80	15	1.50	500			
<b>76607/3</b>	3:1	251	6	1.00	5	0.50	500	B	3	3
<b>76608/9</b>	3:3:2	400	9.5	0.50	15	0.20	500			
<b>76610/1</b>	4:1	2160	18	2.80	12	1.50		500	B	3
<b>76610/4</b>	4:1	90	5	1.00	5	0.40				
<b>76610/6</b>	4:1	9.5	6	1.20	5	0.40				
<b>76613/1</b>	1:ct:1	1970	17	0.70	36	1.60		500	E	2
<b>76613/2</b>	1:ct:1	540	9	0.40	22	0.90				
<b>76613/3</b>	1:ct:1	219	5.5	0.30	13	0.60				
<b>76614/1</b>	2:ct:1	1970	17	1.00	35	1.50				
<b>76614/3</b>	2:ct:1	125	6	0.50	12	0.50				
<b>76615/1</b>	1:ct:1ct	3200	45	2.00	27	1.00		500	F	1
<b>76615/6</b>	1:ct:1ct	400	9.5	85	3	0.30				
<b>76616/1</b>	1:ct:2ct	1800	15.5	1.00	20	1.00				
<b>76616/3</b>	2:ct:1ct	4350	23	3.00	20	1.00				
<b>76616/8</b>	1:ct:2ct	7600	30.5	0.80	25	1.80				

## ABSOLUTE MAXIMUM RATINGS

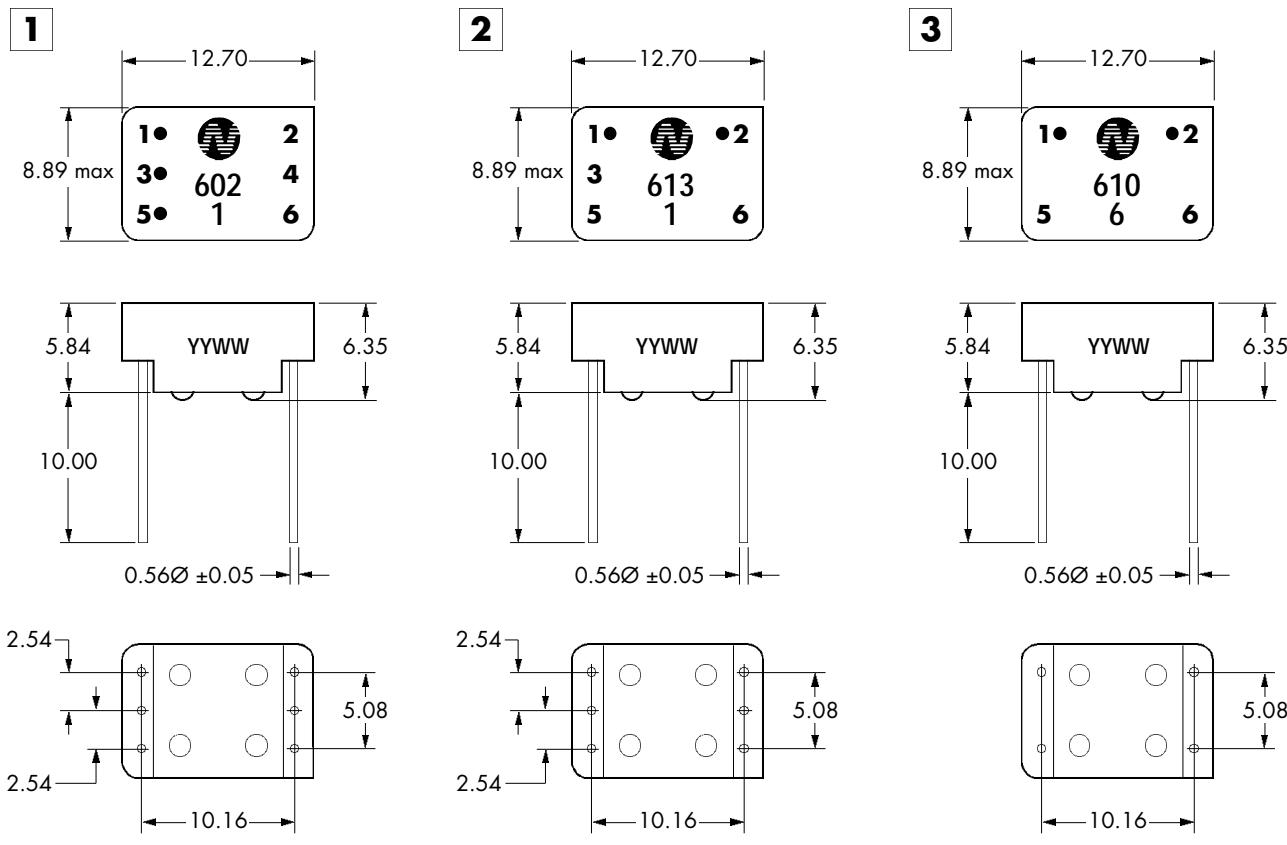
Operating free air temperature range	0°C to 70°C
Storage temperature range	-60°C to 125°C
Lead Temperature 1.5mm from case for 10 seconds	300°C
Isolation voltage (flash tested for 1 second)	500VDC

<sup>1</sup> Measured at 10kHz, 10mV  
All specifications typical at  $T_A = 25^\circ\text{C}$

# 766 SERIES

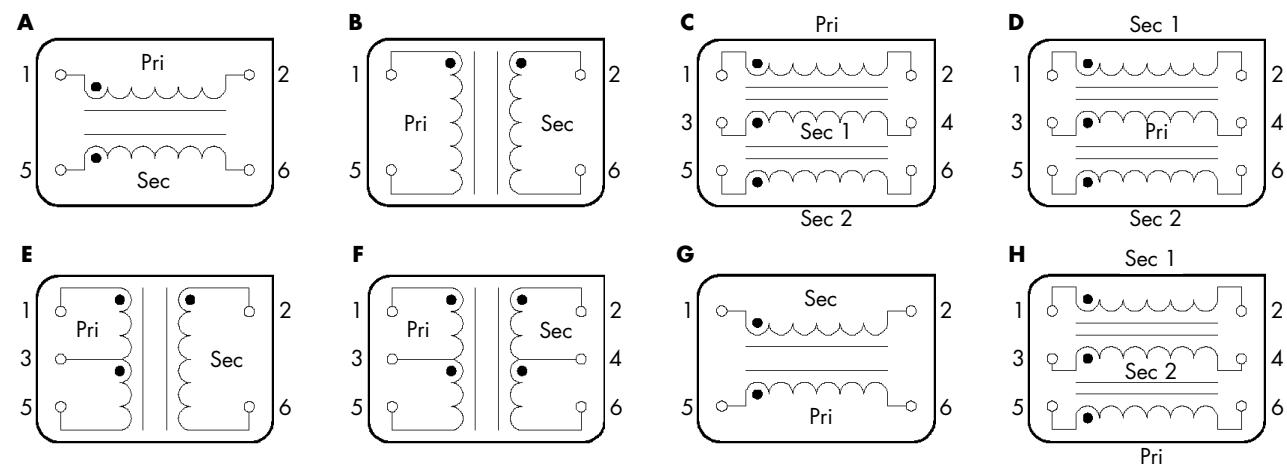
## Pulse Transformers

### MECHANICAL DIMENSIONS (6 PIN DIP PACKAGE STYLE)



All dimensions in mm XX.XX ±0.25mm. All pins on a 2.54mm pitch and within ±0.25mm of true position.

### PIN CONNECTION STYLE (6 PIN DIP - TOP VIEW)



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